

## Claims

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1. A nonionic surfactant of the formula (I)



in which  $R^1$  is a hydrocarbon radical having from 16 to 18 carbon atoms and n stands for numbers from 5 to 10, with the proviso that the iodine number of the substance  
10 is in the range from 20 to 50.

2. The nonionic surfactant as claimed in claim 1, **characterized in that**  $R^1$  has the following chain length distribution:

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$C_{16}$ saturated	: from 55 to 65% by weight
$C_{18}$ saturated	: from 2 to 10% by weight
$C_{18}$ mono-unsaturated	: from 25 to 30% by weight
$C_{18}$ di-unsaturated	: from 1 to 5% by weight

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with the proviso that the amounts, together, if desired, with small amounts of shorter-chain or longer-chain homologues, add up to 100% by weight.

3. The nonionic surfactant as claimed in claims 1 and/or 2, **characterized in that**  $R^1$  has the following chain length distribution:

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$C_{16}$ saturated	: 60% by weight
$C_{18}$ saturated	: 5% by weight
$C_{18}$ mono-unsaturated	: 28% by weight
$C_{18}$ di-unsaturated	: 3% by weight

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with the proviso that the amounts, together, if desired, with small amounts of shorter-chain or longer-chain homologues, add up to 100% by weight.

4. The nonionic surfactant as claimed in at least one of claims 1 to 3, **characterized in that**  $R^1$  is derived from palm stearin raw material.

5 5. The nonionic surfactant as claimed in at least one of claims 1 to 4, **characterized in that** n stands for 8.

6. The nonionic surfactant as claimed in at least one of claims 1 to 5, **characterized in that** it has an iodine  
10 number in the range from 30 to 40.

7. A detergent mixture comprising

(a) nonionic surfactants of the formula (I)

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in which  $R^1$  is a hydrocarbon radical having from 16 to 18 carbon atoms and n stands for numbers from 5 to 10, with  
20 the proviso that the iodine number of the substances is in the range from 20 to 50, and

(b) alkyl and/or alkenyl oligoglycosides.

25 8. A detergent mixture comprising

(a) nonionic surfactants of the formula (I)

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in which  $R^1$  is a hydrocarbon radical having from 16 to 18 carbon atoms and n stands for numbers from 5 to 10, with the proviso that the iodine number of the substances is in the range from 20 to 50, and

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(b) alkyl ether sulfates.

9. The use of nonionic surfactants as claimed in claim 1 for producing laundry detergents.

10. The use as claimed in claim 9, **characterized in that**  
5 the laundry detergents are in liquid or gel form.